BEST AVAILABLE COFY

## 1 (2011) 1 (2011) 1 (2010) 1 (2011) 1 (

(43) International Publication Date 20 January 2005 (20.01.2005)

## (10) International Publication Number WO 2005/005540 A1

(51) International Patent Classification?: 23/06, C08J 5/18, C08L 23/04

C08L 53/02,

(21) International Application Number:

PCT/EP2004/051388

(22) International Filing Date:

7 July 2004 (07.07.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 03102027.4

7 July 2003 (07.07.2003)

(71) Applicant (for all designated States except US): TOTAL PETROCHEMICALS RESEARCH FELUY [BE/BE]; Zone Industrielle C, B-7181 Seneffe (Feluy) (BE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): FOURCADE, Pascal [FR/FR]; 6, rue Maurice Utrillo, F-65000 Tarbes (FR).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AB, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, 2.W.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PEELABLE POLYETHYLENE FILMS

(57) Abstract: A homogeneous blend comprising from 10 % to 90 % by weight of a metallocene catalyzed polyethylene (mPE) and from 90 % to 10 % by weight of styrene-butadiene block copolymers comprising from 5% to 40% by weight of 1,3 butadiene monomer units and from 60% to 95 % by weight of styrene monomer units. The blend of the invention is used to make peelable films for food packaging applications.